

# JAPAN

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JIS S 0023 (2002) (English): Guidelines for  
designing of clothes in consideration of the  
elderly people

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*The citizens of a nation must  
honor the laws of the land.*

Fukuzawa Yukichi

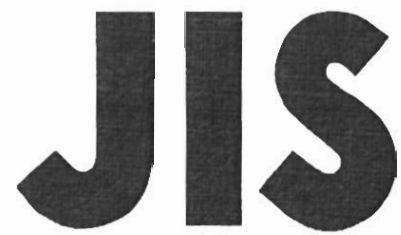
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JAPANESE  
INDUSTRIAL  
STANDARD

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**JIS S 0023** : 2002

**Guidelines for designing  
of clothes in consideration  
of the elderly people**

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ICS 11.180; 61.020

Reference number : JIS S 0023 : 2002 (E)

## Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 2002-01-20

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Investigated by: Japanese Industrial Standards Committee  
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## Guidelines for designing of clothes in consideration of the elderly people

**Introduction** This Japanese Industrial Standard has been developed as the guidelines for designing the clothes serving for the elderly people to build healthy and cheerful, safe and comfortable lives free from anxiety in the present aged society. This helps the elderly people in standing on their own legs leading to the expectation to take part positively in the social activities.

In addition, this Standard should apply to the products selected properly according to their kinds and other conditions.

**1 Scope** This Standard specifies the matters to be taken into consideration for ensuring the improvement of wearableness and the easiness of handling when designing the clothes mainly for the elderly people in compliance, for example, with decline of motional function and change of body form due to ageing.

**2 Normative references** The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS L 0112 *Glossary of terms on parts and measurements of clothes*

JIS L 0122 *Glossary of terms used in sewing*

JIS L 1091 *Testing methods for flammability of textiles*

JIS L 1902 *Testing method for antibacterial of textiles*

JIS L 1917 *Testing method for burning due to surface flash of textiles*

JIS Z 8305 *Dimensions of printing types*

**3 Definitions** For the purposes of this Standard the definitions given in **JIS L 0112** and **JIS L 0122** and the following definitions apply:

- a) **matters to be taken into consideration** The matters to be taken into consideration at the time of designing clothes for complementing the change of body form, lowering of motional function, lowering of sensuous function, lowering of physiological function (e.g. function to keep body temperature and wetness) and lowering of attentiveness of the wearers due to ageing.
- b) **wearableness** Easiness of dressing and removing and feeling at the time of wearing.
- c) **feeling at the time of wearing** Feel of skin touch, heat retaining property, air permeability, hygroscopic property, perspiration absorption property and easy motion.
- d) **specification** The requirements for concrete methods for production of clothes such as pattern design and sewn products manufacturing.
- e) **pattern** Plane development used at the time of manufacturing clothes.

**4 Matters to be considered for design of clothes** The following particulars shall be considered for the design of clothes.

**4.1 Design and dimensions in compliance with the change of body form** Design and dimensions in compliance with the change of body form are as follows.

- a) Taking the change of body form of wearers into consideration, use the design and pattern paying attention to a ease enough to satisfy the wearableness. Moreover, as the body form varies greatly according to wearers, care shall be taken for the diversity of the development of pattern and size.
- b) Pay attention to the amount of outlet seam and method of finishing in order to be able to process easily in the size suitable for the wearer's body form.
- c) Pay attention to the design taking the position and shape of the opening into consideration in order to improve the wearableness.
- d) Pay attention to the material, design, specification, etc. in order to ensure the comfortable feeling of wearing without physiological and sensuous incompatibility when wearing the clothes.

**4.2 Wearableness paying attention to lowering of motional function** The clothes shall be of the design, material and specification taking the easiness of dressing and removing and, for this purpose, the size, position and easy handling of the fasteners into consideration, in compliance with the lowering of wearer's function in the motion of joints and the power of gripping and fingertips.

**4.3 Use of materials paying attention to safety, hygiene and handling** In compliance with the wearing purpose and wearing circumstance of the clothes or the physical conditions of wearers (lowering of sensuous function, physiological function and power of attention), if necessary, pay the following attention to the materials, design and specification used for the clothes.

In addition, when using the material processed by giving additional function, the safety for the body shall be ensured.

- a) By confirming the incombustibility in accordance with **JIS L 1091**, use the materials of incombustibility.
- b) By confirming the performance of surface flash in accordance with **JIS L 1917**, if surface flash is liable to occur, indicate a marking drawing attention to this effect at the time of wearing.
- c) By confirming the antibacterial performance in accordance with **JIS L 1902**, use the material of antibacterial performance.
- d) Use the material having such functional properties as air permeability, moisture permeability or moisture retainability. In addition, also in design and specification, pay attention so that temperature retainability or temperature is controllable.
- e) Use the materials and specification of easy handling in daily use.

Informative reference : In the products made from the materials taking the easy handling in daily use into consideration, the products resistant against wrinkle and form stability processed products are included.

**4.4 Attention to be paid to action consciousness and traffic safety** Attention to be paid to action consciousness and traffic safety is as follows.

- a) From the viewpoint to accelerate the progression of social participation of the elderly people, pay attention to the design, colour, pattern and fashionability of the clothes.
- b) For the over coat worn on a rainy day or at night, the materials, for example, of bright colour and pattern, fluorescent material and reflecting material are used so as to make the wearer easily recognizable by viewing, from the viewpoint of prevention of traffic accident.

**4.5 Understandability of marking** Understandability of marking is as follows.

- a) In compliance with the lowering of eyesight of the wearers, pay attention to the size of the letters and symbols for the indication of quality, instruction for washing, indication of size so as to make them readily recognizable by viewing.

The size of the letters should preferably be 10-point or more specified in clause 3 of JIS Z 8305.

- b) In compliance with the lowering of the wearer's visual function, pay attention to the colour and colour arrangement for letters and symbols so that they are clearly discernible.

**5 Marking** The clothes in consideration of the elderly people should be marked with the following information on every cloth.

- a) To be the product in consideration of the elderly people and the matters taken into consideration (when one or more items from among 4.1, 4.2 and 4.3 apply).
- b) To be the product in consideration of the safety (incombustibility and antibacterial property) and the matters taken into consideration [when any one or more items from among a) to c) in 4.3 apply].
- c) To be the product processed to be of functional properties and the matters taken into consideration for that purpose [when any one or more items from among d) and e) in 4.3 apply].



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